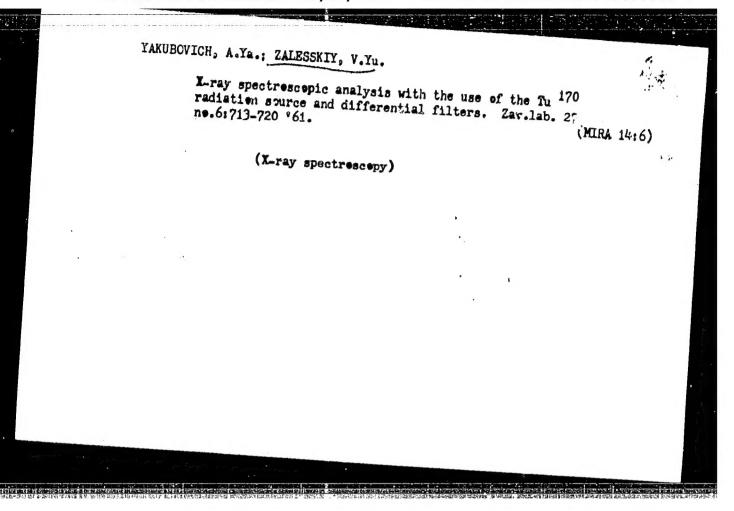
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of fluorescent roentgenospectral analysis are mentioned: 1) The The roentgeno-radiometric ... ease with which the K-series of elements with high atomic numbers can be used for analysis which allows measurements to be made with small samples, thus eliminating errors connected with selective absorption; 2) the possibility of creating cheap and transportable equipment with an atomic supply; 3) a higher sequence sensitivity equipment with an atomic supply; 2) a nighter sequence sensitivity which for different elements lies in the range 0.1 - 1.0%. A device of the method is its small resolving capacity. When using a fect of the method is its small resolving capacity. scintillation counter it is possible to determine elements with atomic numbers, differing by 6 - 7 units from those of other elements present in commensurable quantities. The employment of proportional counters raises the method's resolving capacity and also allows elements with small atomic numbers to be analyzed. The radiation sources should possess: 1) A sufficiently high specific activity; 2) an adequately high discharge of radiation with a quantum energy sufficient to excite the atoms of the elements that are being determined; 3) the hard gammas and beta-radiation; and 4) a half-life period of from 2 - 3 months to 1 - 2 years. These re-

Card 2/3

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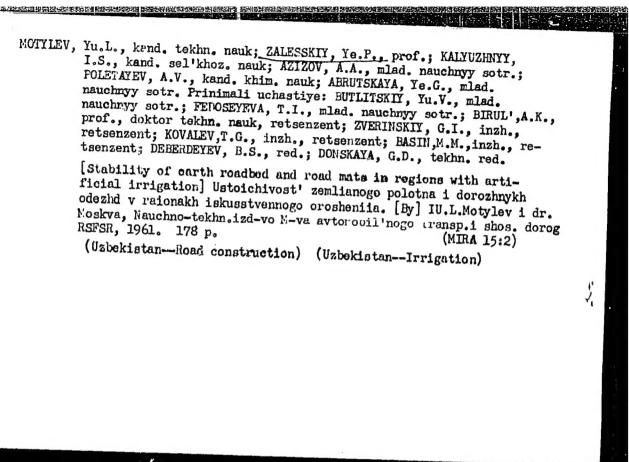
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ABUMOV, V.I.; ZALESSKIY, Ye.M.

Pressing of thick refractories. Ogneupory 28 no.9:424-425 '63.

(MIRA 16:10)

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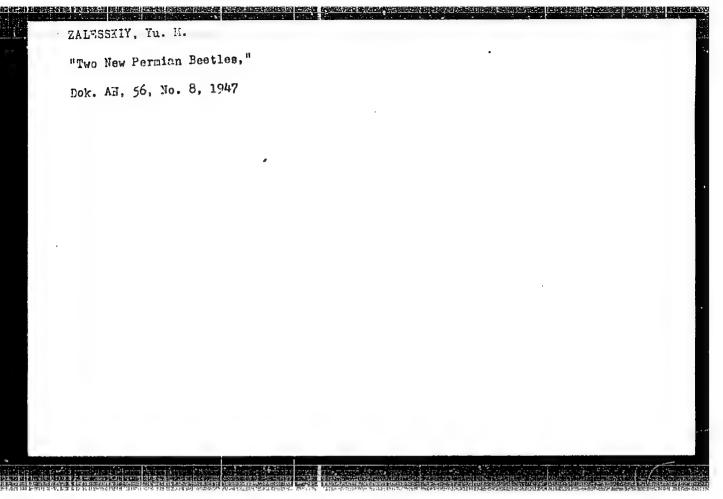


ZALESSKIY YO. YA ORLOV, V.P., kand.sel'skokhoz.nauk. Prinimali uchastiye: AVROV, N.N.; BASEHKO, P.V.: VARLAMOV, D.A.; VASIL'YEV, I.I.; VLASOV, V.H.; VYLEGZHANINA, V.A.; ZHIVET'YEV, V.G.; ZAVADSKIY, I.S.; ZALESSKIY, Ye.Ya.; ZAKORYUKIN, D.S.; ISHCHENKO, I.N.; KACHIBAYA, I.D.; KISE-LEV. Ye.S.; KOZHEVNIKOV, I.Z.; LISITSYN, V.I.; MESHCHERYAKOV, V.F.; NYURIN-VERTSBERG, R.L.; PEREPELITSA, V.M.; RYABKOV, A.D.; SEURIKHIN, I.P.; SOLOV'YEV, N.A.; YAS'KO, N.G., GREBTSOV, P.P., red.; ZUBRILINA, Z.P., tekhn.red. [Our farms in 1965] Nashi khozisistva v 1965 godu. Moskva, Gos. izd-vo sel'khoz.lit-ry, 1959. 230 p. (MIRA 13:2) (Agriculture)

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(Flight)



"Findings on the V	ishera" Magazine Knowle	dge is Power, No. 12, 1	948.
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"A New Representative of the Fermian Neuroptera," Dok. AN, 51, No. 7, 1946;

"The Representative of a New Order of Insects with Elitra," ibid., 59, No. 2,

1948;

"On a New Mayfly from the Ural Permian Deposits," ibid., 60, No. 6, 1948;

"Glant Insects in the Permian Deposits of the Ural Region," Priroda, No. 10,

1948;

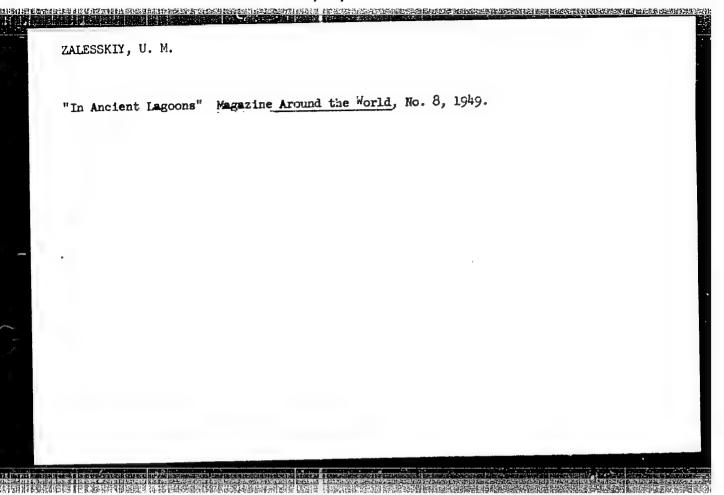
"The Disappearance of a Known Location of Fossil Insects in the Urals," ibid.,

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"The Development of Wings and Rudiment of Flight of Insects in Relation to the
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"Several Experiments and Observations on the Flight of Insects," Dok. AN,

66, No. 1, 1949;

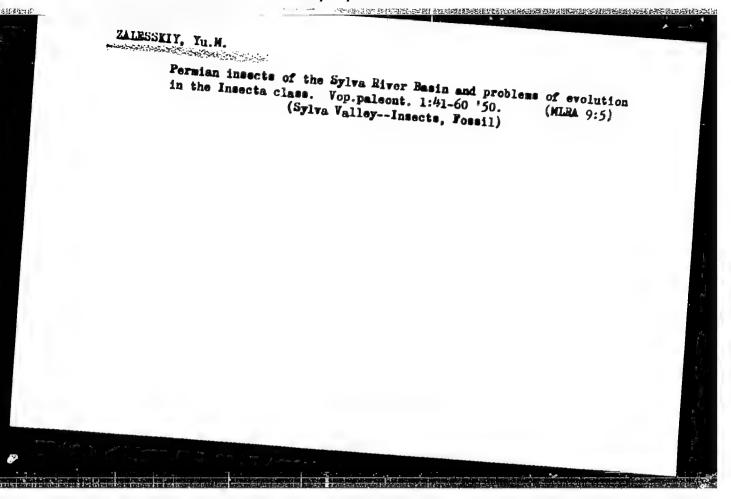


USSE/Biology
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"Several Experiments and Observations on the
Flight of Insects," Yu. M. Zalesskiy, 3 3/4 pp

"Dok Ak Nauk SSSR" Vol LXVI, No 1

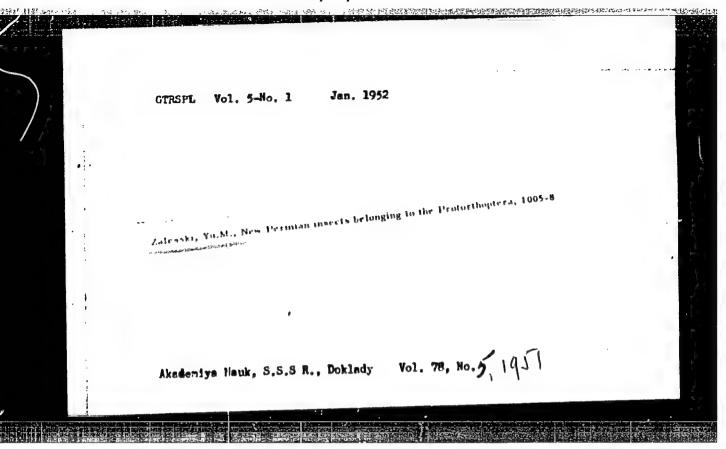
Describes influence on flight of cutting away
parts of the wings of various insects. Submitted
by Ye. N. Pavlovskiy, 11 Mar 49.



ZALESSKII, Yu. M.

"The Properties of Soil as a Habitat, and Its Importance in the Evolution of Insects" (Osobennosti pochvy kak sredy obitaniya i ee znachenie v evolgutsii nasekongkh) by Gilyarov, H. S. and Zalesskii, Yu. E. (p. 316)

SO: Progress of Contemporary Biology, Vol. XXX, NO. 2 (5), Sept-Oct, 1950.



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Use of plexiglass in preparation of miscrospic specimens. Mikrobiologiia 21 no. 2, 1952

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ZAIEGOKIY, YU.M.

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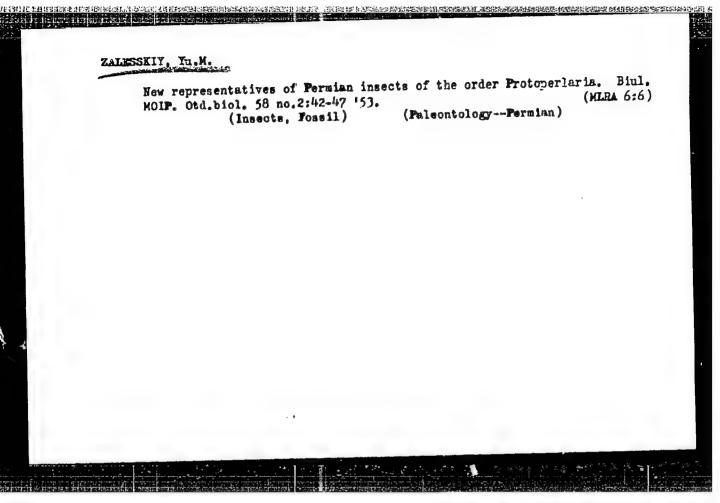
ZALESSKIY, YU. M.

New Permian cockroaches with Ovipositor from the Family Spiloblattinidae Entemol. oboarenive, 33, 1953, pp 266-272

In deposits of the upper part of Kungur stage of the Lower Permian, in an cutcrop along the left bank of the Sylva River (below the mouth of the Chekerda River), were found impressions of whole cockroaches of the family Spilotlattinidae Handl., namely, Uraloblatta insignis G. Zal., and U. minor sp. n. (RZhGeol, No.3, 1955)

SO: Sum. No. 639, 2 Sep 55

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- 4. Transbaykalya Insects, Fossil
- 7. New locations of Cretaceous insects in the Volga Valley, Kazakhstan and Transbaykalya. Dokl. AN SSSR, 89, No. 1, 1953.

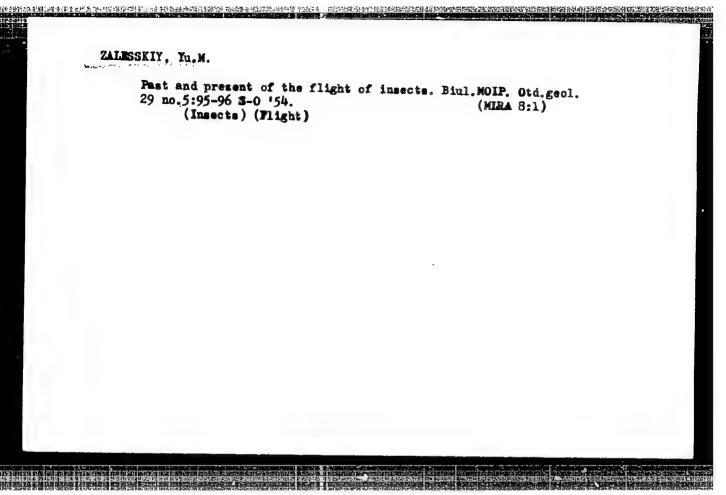
9. Monthly List of Russian Accessions, Library of Congress, May 1953, Unclassified.

ZALPSSKIY, Yu.M.

Head structure of the Permian insect Perielytron mirabile G.
Geol.ab.r.[Iwov] no.1:194-197 '54. (MIRA 10:1)

1. Geologicheskiy muzey ineni A.P. i M.V. Pavlevykh, Moskva.

(Insects, Fossil)



ZALESSKIY, Yu. M

USSR/Biology - Entomology

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Authors

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Title

: High-speed moving pictures of the flight of butterflies

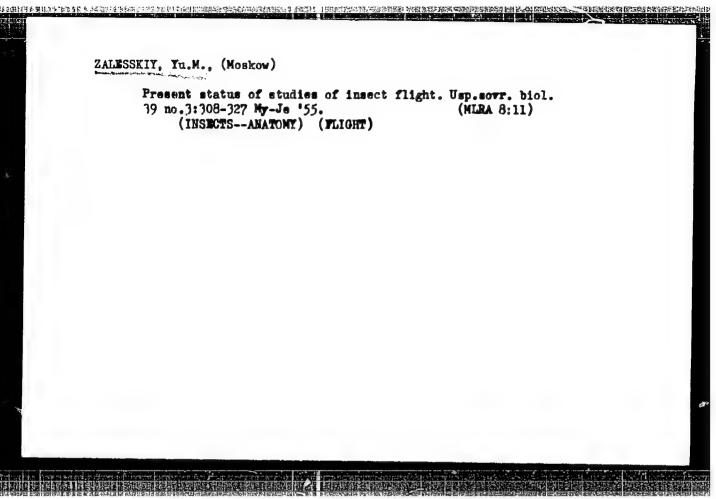
Periodical: Priroda 43/10, 98-100, Oct 1954

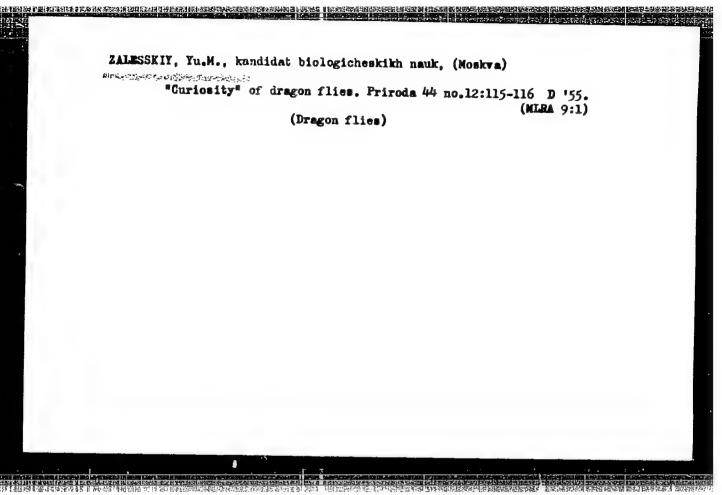
Abstract

An analysis is made of the movement of butterfly wings, one of the peculiar features of which is a wave motion passing backwards through the wings enabling the insect to effect a complete turn without flapping. The studies comprised different warieties of butterflies whose flight movements revealed variations of a common pattern. Illustrations; drawings.

Institution:

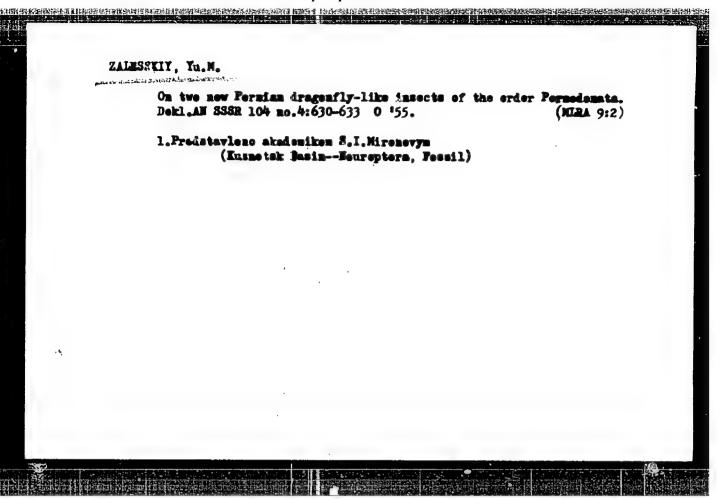
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ZALESSKIY, Yu. M. Permian cockroaches found in the Ai and Sylva River basins and one find of original larva. Dokl. AM SSSR 101 no.1:159-162 Mr. '55. 1. Predstavleno akademikom S. I. Mironovym. (Ai Valley--Cockroaches, Fossil) (Sylva Valley--Cockroaches, Fossil)

ZALESSKIY, YW.M. USSR/ Geology - Paleontology Oard 1/1 Pub. 22 - 40/51 Authors ! Zalesskiy, Yu. M. TO THE PERSON NAMED IN THE Title New representatives of Protoblattoides and Protortheptera from Permian deposits of the Ural Periodical : Dok. AN SSSR 101/2, 347-350, Mar 11, 1955 Abstract Paleontological data are presented on certain new representatives of Protoblattoidea and Protorthoptera races of which were discovered in the Permian deposits of the Ural Mountains. Two USSR references (1934-1951). Drawings; illustration. Institution : Presented by: Academician S. I. Mironov, June 14, 1954

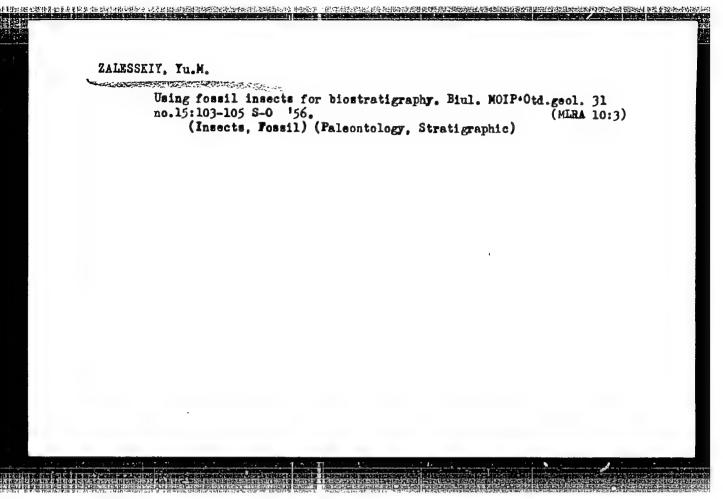


ZALESSKIY, Yu.M.

Aerodynamic principles of insect flight. Biofizika 1 no.7:672-676

'56. (KIRA 9:12)

1. Institut biologicheskoy fiziki Akademii nauk SSSR, Moskva. (FLIGHT) (INSECTS)



ZALESSKIY, Yu.M.

New representatives of the order Protohymenoptera from the Permian deposits of the Urals. Dokl. AN SSSR 110 no.6:1089-1092 0 '56. (MLRA 10:2)

1. Predstavleno akademikom S.I. Mironovym.
(Ural Mountain region--Protohymenoptera)

ZALESSKIY, Yu.M.

Observations on the flight of prionid beetles and may flies [with numbery in English]. Biofizika 2 no.3:369-375 '57. (MIRA 10:8)

1. Institut biologicheskoy fiziki Akademii nauk SSSR, Moskva.
(FLIGHT) (BESTIES) (MAY PLIES)

AUTHOR: Zalesskiy, Yu.M. 11-10-7/23

'TITLE: The Use of Fossil Insects for Stratigraphic Research of the Urals and the Ural Region (Ispol'zovaniye iskopayemykh nase-

komykh v stratigraficheskikh issledovaniyakh Urala i Priural'ya)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Seriya Geologicheskaya, 1957,

10, p 67-76 (USSR)

ABSTRACT:

The article deals with entomological deposits of the Permian epoch of the Ural regions in relation to Permian layers of the Russian plateau, western Siberia (Kuzbass), and Kansas. Attention is drawn to special traits of fossil insects and the possibilities of using these fossils for stratigraphic purposes. Fossils of insects, like fossils of vertebrates, are mostly found in conglomeration in certain locations which are not easily discovered. Systematic studies are likely to increase the paleontologic value of these fossils for stratographic evaluation. The author compared Permian fossils of the Urals with those found in Kansas, and expressed the opinion that a close relation exists between the above mentioned fossils found at these locations which are geographically remote from each other. The author

published a stratigraphic scheme on Permian deposits, and one card 1/2 schematic comparison of several cross-sections of the Urals.

11-10-7/23

The Use of Fossil Insects for Stratigraphic Research of the Urals and the Ural Region

Basic obstacles for a general use of fossil insects for stratigraphic purposes are the irregularity of the examined areas and the lack of paleontologists-specialists. Thorough studies and compilation of additional data on deposits of fossil insects are required for a further improvement of stratigraphic methods. There are 1 list, 2 charts and 39 references, of which 36 are Slavic (Russian).

SUBMITTED:

26 November 1956

AVAILABLE:

Library of Congress

Card 2/2

ZHLEDDKIY YUPL.

26-10-34/44

AUTHOR: Zalesskiy, Yu. E., Candidate of Biological Sciences (Moscow)

TITLE: On the Flight of Water Bugs (O polete vodyanykh klopov)

PERIODICAL: Priroda, 1957, No 10, p 115 (USSR)

ABSTRACT: The article deals with water insects the author observed in the territory of the Academy of Agriculture imeni K.A. Timiryazev. (Sel'skokhozyaystvennaya akademiya imeni K.A. Timiryazeva). On a clear, cloudless day he was watching water bugs in a pond as they swam in normal position on their tacks.

On approaching the surface, they increased their speed, suddenly turned over, stretched their wings when above water and gathered speed by flapping them until they were able to take off like seaplanes. Another type of water bugs, Notonecta glauca, behaved a little differently. The author saw a small insect circling low above the pond. A water bug that had been swimming on its back suddenly turned over and rose from the water, flapping its wings. When 3 - 5 cm above water, it snatched the insect and fell back into the pond. There it

turned again on its back, swam to a safe spot and started

sucking on its prey. Library of Congress

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BALEBOKIY VOIN.

26-12-31/49

AUTHOS: Zalesskiy, Yu.M., Candidate of Biological Sciences (Moskva)

TITLE: Weather Forecasting Butterflies (Krapivnitsy "predchuvstvuyut"

pogodu)

PERIODICAL: Priroda, 1957, No 12, p 106 (USSR)

ABSTRACT: The author has been observing the habits of nettle moths -

vanessa urticae - and has found out that they are reliable predictors of thunderstorms. In clear, sunny weather such a moth suddenly withdraws to a quiet corner of the barn roof, the ceiling or hides among dry branches, folds up its wings and stays there motionless for a long time. When disturbed, it flies to another quiet place to settle down again. Approximately 2 hours later clouds overcast the sky and a thunderstorm approaches. During the storm it is hard to scare the moth away, but as soon as the sun is out again, the moth flies away. The author made these observations over a period of 3 consecutive summers and states that there cannot be any doubt about the nettle-moth being an excellent predictor of rain and

thunderstorms.

AVAILABLE: Library of Congress

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26-58-7-48/48

AUTHOR:

Zalesskiy, Yu.M., Candidate of Biological Sciences (Moscow)

TITLE:

On Mosquitoes (O komarakh)

PERIODICAL:

Priroda, 1958, Nr 7, pp 127-128 (USSR)

ABSTRACT:

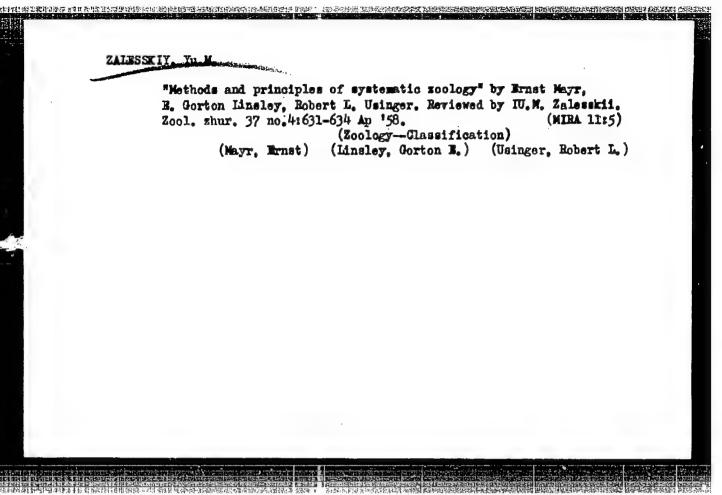
In June and the first half of July, the common mosquito Culex pipiens L. is present in great quantities in the forests and water areas of Central Europe, and consequently in the Moscow region. While the female is able to pierce the skin of warm-blooded animals and man, the males feed

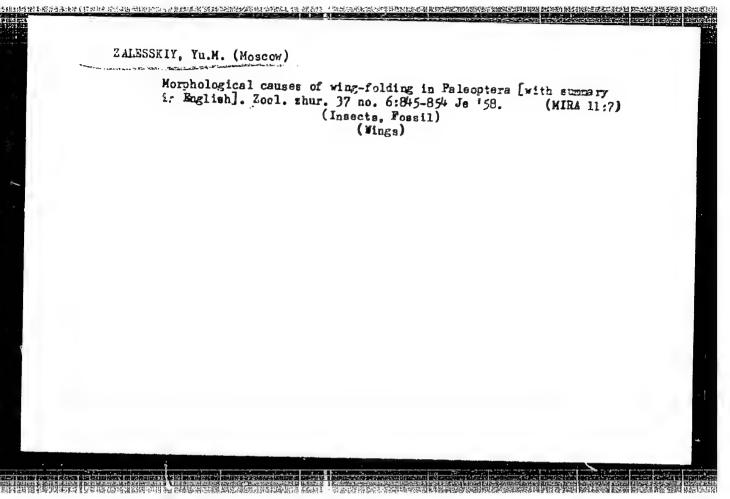
on flower nectar only.

1. Mosquitoes-USSR

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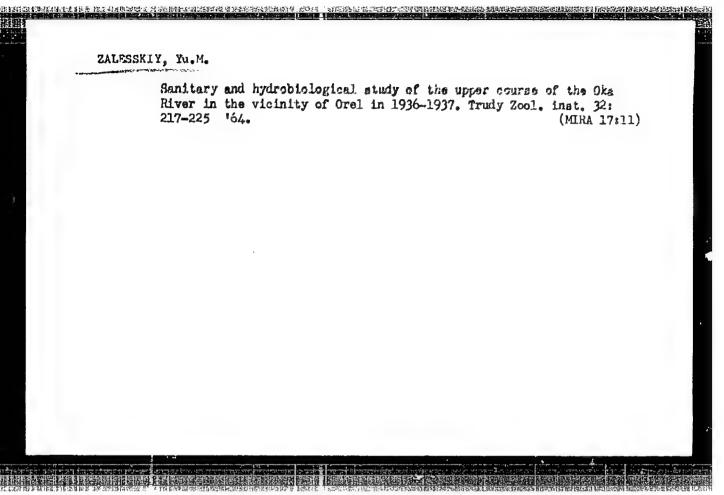


MALYSHEV, Sergey Ivanovich, prof.; ZALESSKIY, Yu.M., red.; LIPKINA, T.G., red.izd-va; PAVLOVA, V.A., tekini.red.

[Hymenopterons, their origin and evolution] Pereponchatokrylye, ikh proiskhozhdenie i evoliutalia. Moskva, Gos.izd-vo "Sovetskala nauka," 1959. 290 p.

(Hymenoptera)

(MIRA 13:5)



OBRUCHEV, V.V., kand. geol.-mineral. nauk (Moskva); ZALESSKIY, Yu.M. (deceased] (Moskva); GEYEVSKAYA, Ye.A. (Moskva)

Brief notes on books. Priroda 53 no.5:7,63,77,87,111 '64. (MIRA 17:5)

ZALESSKIY, Yu.M., kand.biolog.nauk (Moskva)

Interesting experiments with the sight of bees. Priroda 52 no.6:
117-118 '63.

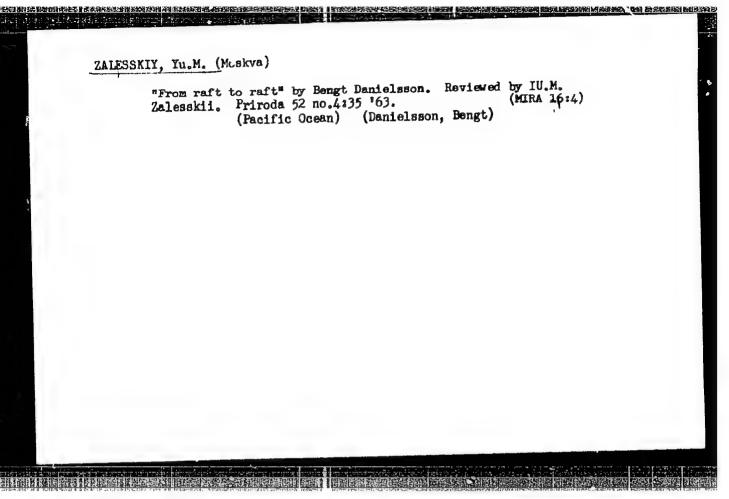
(Bees) (Sense organs—Insects)

(MIRA 16:6)

ZALESSKIY, Yo.M.

Conservation characteristics of some fossil insect faunas. Paleon.sbor. [Lvov] no.1:121-126 '61. (MIRA 15:9)

1. Geologicheskiy muzey imeni A.P. 1,M.V. Pavlovykh, Moskva.
(Insects, Fossil)



S/026/62/000/011/001/001 D036/D114

AUTHOR:

Zalesskiy, Yu. M., Candidate of Biological Sciences

TITLE:

The insect and the aircraft

PERIODICAL:

Priroda, no. 11, 1962, 51-58

TEXT: The principles of insect flight are studied from the point of view of their application to flying craft. Early attempts at formulating an aerodynamic theory of insect flight, and at creating entomopters, are mentioned. The flight of diptera, hymenoptera, orthoptera, coleoptera and lepidoptera is analyzed and graphically illustrated. The speed and economy of insect flight, and the relationship between wing-beat frequency and lift, are briefly discussed. The existence of pterostigmata in insects, which correspond to the antiflutter devices on aircraft wings, is cited as an example of how much research could have been saved if the functions of insects' flight organs had been studied. The use of a propelling air wave such as that produced by a butterfly's wings, and the lemniscatic wing stroke of many insects, is considered to be of possible use in aviation.

Card 1/2

The insect and the aircraft

S/026/62/000/011/001/001 D036/D114

N.V. Pogorzhel'skiy, I.M. Vinogradov and G.A. Gladkikh have designed a wind turbino using lemniscatic wing motion, which needs only a very light wind to operate it. The existence of the Meganeura with their wing span of 80-110 cm indicates that the principles of insect flight may be applied up to a certain size limit in flying craft, which must be determined experimentally. Individual features of insect flight, such as the smooth safe landing of a bee on an uneven surface such as a petal, could be copied in airing light loads, aerial survey, carrying aerological instruments up to a sporting purposes. There are 11 figures.

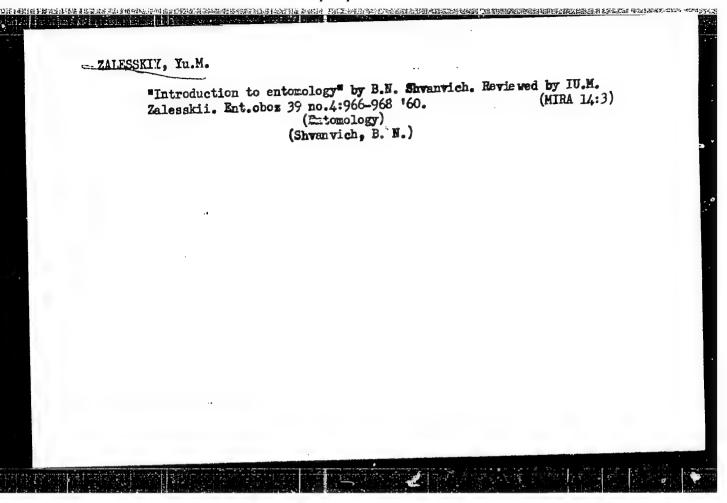
ASSOCIATION: Institut biologicheskoy fiziki AN SSSR (Institute of Biophysics, AS USSR), Moscow

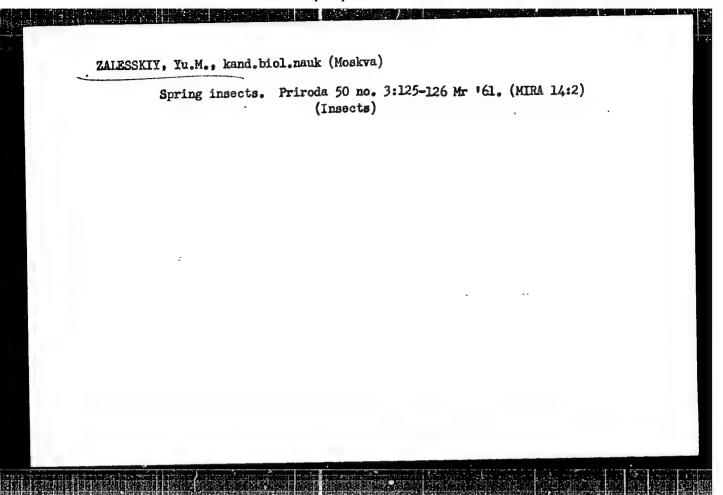
Card 2/2

ZALESSKIY, Yu.M., kand.biolog.nauk (Moskva)

"Echoes of bats and men" ty Donald R. Griffin. Reviewed by **U. M.

Zalesskii. Priroda 51 no.1:120 Ja '62. (MIRA 15:1)
(Sound-waves) (Echo) (Orientation) (Griffin, Donald R.)





Ultrasound in the life of animals. Priroda 49 no.8:91-93 Ag '60.
(Ultrasonics) (Animal sounds)

ZALESSKIY, V.I.; MAKSIMOV, A.I.

Surface smoothness due to planar calking. Kuz.-shtan.proizv. 1
no.3:8-13 My '59. (MIRA 12:10)

3(5)

Zalesskiy, Yu.M.

AUTHOR: TITLE:

On B.B.Rodendori's Book" Palecentomological Research

SOV/11-59-7-12/17

in the USSR"

PERIODICAL:

Izvestiya Akademii nauk SSSR, Seriya geologicheskaya, 1959, Nr 7, pp 109-112 (USSR)

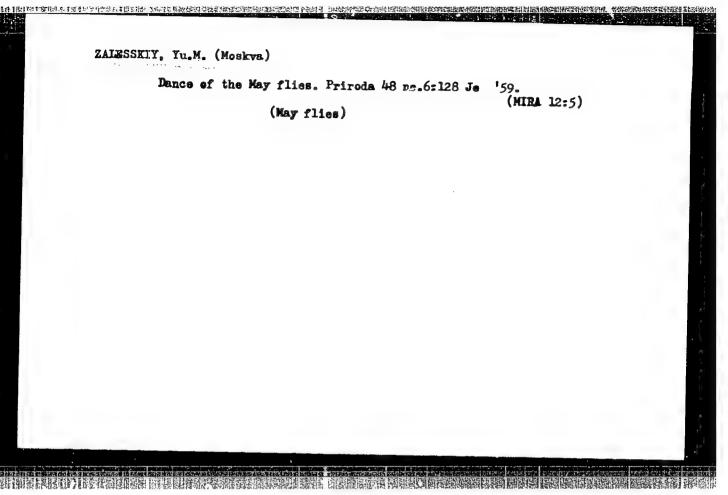
制制的支撑指挥的 1年15天5.25元以及155元,公司运动的连续,1550元为中国大型工程的155元,1550元之后,1550元之后,1550元之后,1550元之后,1550元之后,1550元之后,1550元之后,15

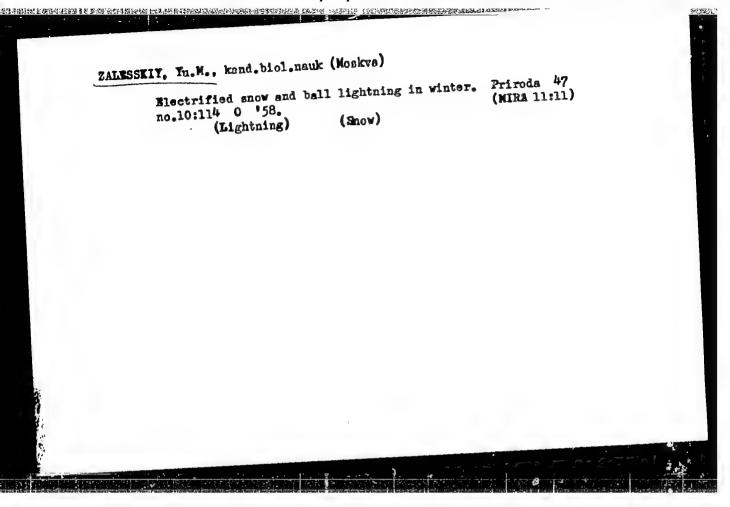
ABSTRACT:

This is a review of the above mentioned book published in the transactions of the Paleontological Institute, vol 66, by the AN SSSR (AS USSR) in 1957. The following names of entomologists and paleoentomologists are mentioned by the author: the late A.V.Martynov, M.D. Zalesskiy, N.Ya.Kuznetsov, A.A.Shtakel'berg, V.V.Popov, A.A.Rikhter, Ye.E.Bekker-Migdasova, O.M.Martynova, V.V.Pogorevich, and A.G.Sharov. There are 2 Soviet

references.

Card 1/1





SOV-26-58-10-35/51

AUTHOR:

Zalesskiy, Yu.M., Candidate of Biological Sciences (Moscow)

TITLE:

Electrified Snow and Ball Lightning in Winter (Naelektri-

zovannyysneg i sharovaya molniya zimoy)

PERIODICAL:

Priroda, 1958, Nr 10, pp 114 (USSR)

ABSTRACT:

The author describes a phenomenon that he observed in Moscow February 12, 1958, when he heard a crackling issuing from snowflakes as they fell through the air or came into contact with objects. At the same time he noticed a glowing ball 2 cm in diameter and of a reddish color like a spark which floated along for about 15 m at a height of 4 m above the ground and then was suddenly extinguished. The crackling, he concludes, was due to electrical discharge from the electrified snow flakes, and the glowing ball was a form of ball lightning. There is 1 Soviet reference.

1. Snow--Electrical properties

Card 1/1

(Engineer)
"Modern Methods of Electricity Supply to Engineering Works."

"Modern Methods of Electricity Supply to Engineering Works."
report presented at the All-Union Sci. Technical Conference on Economy of Fuel and Electric Power in the Engineering Inductry. December 1957, Moscow.

Promyshlennaya Energetika, 1958, vol. 13, no. 3, pp. 33-35 (see author card for GORIN, F. I.)

MALMOSIMIY, YH. Yo.

AVINOVITSKIY, I.Ya.: ALEKSEYEV, S.V.; BARANOV, B.M.; GEL'MAN, R.Ye.;

DVOSKIN, L.I.; DOLGINOV, A.I.; YERMILOV, A.A.; ZALESSKIY, Yu.Ye.;

KAMEHEVA, V.V.; KLIMIKEEYEV, V.M.; KHYAZEVSKIY, B.A.; KUZHETSOV,

P.V.; RIVKIN, G.A.; FEDOROV, A.A.; SERBINOVSKIY, G.V., red.;

BOL'SHAM, Ya.M., red.; BRANDENBURGSKAYA, E.Ya., red.; VORONIN,

K.P., tekhn. red.

[Manual for power engineers of industrial enterprises in four volumes] Spravochnik energetika promyshlennykh predpriiatii v chetyrekh tomakh. Moskva, Gosenergoizdat. Vol.1. [Electric power supply] Elektrosnabzhenic. Pod obshchei red. A.A.Fedorova, G.V. Serbinovskogo i IA.M.Bolishama. 1961. 840 p. (MIRA 15:6) (Electric engineering)

WIZEVETTER, Ye.N.; KLEYN, P.N.; KHARCHEV, M.K. [deceased];

VOLOBRINSKIY, S.D.; GRODSKIY, S.Ye.; YERMILOV, A.A.;

KAYALOV, G.M.; LIVSHITS, D.S.; MAKSIMOV, A.A.; MESHEL',

B.S.; MUKOSEYEV, Yu.L.; OGORODNOV, S.I.; ROZENBERG, V.A.;

SHRAYBER, L.G.; ZALESSKIY, Yu.Ye., retsenzent; IOKHVIDOV,

E.S., retsenzent; FEDOROV, A.A., retsenzent; SAVEL'YEV,

V.I., red.; LARIONOV, G.Ye., tekhn. red.

[Temporary instructions for determining the electrical loads of industrial enterprises] Vremennye rukovodinshchie ukazaniia po opredeleniiu elektricheskikh nagruzok promyshlennykh predpriiatii. Moskva, Gosenergoizdat, 1962. 45 p.

(MIRA 16:2)

1. Russia (1923- U.S.S.R.) Glavnoye energeticheskoye upravleniye. 2. Leningradskoye otdeleniye Gosudarstvennogo proyektnogo instituta tyazheloy promyshlennosti (for Kizevetter, Kleyn, Kharchev). 3. Komissiya po elektricheskim nagruskam Nauchno-tekhnicheskogo obshchestva energeticheskoy promyshlennosti (for Volobrinskiy, Grodskiy, Yermilov, Kayalov, Livshits, Maksimov, Meshel, Mukoseyev, Ogorodnov, Rozenterg, Shrayber). (Electric power distribution)

GREYSUKH, M.V.; YERMILOV, A.A.; ZALESSKIY, Yu.Ye.; KAZYMOV, A.A.;

KATSEVICH, L.S.; KIRPA, I.I.; KIREYEV, M.I.; KNYAZEVSKIY,

B.A.; KOFMAN, K.D.; ERZHAVANIK, L.V.; KUZNETSOV, P.V.;

MOROZOV, K.S.; RAKOVICH, I.I.; RYABOV, M.S.; SVENCHANSKIY,

A.D.; SOKOLOV, M.M.; SYCHEV, L.I.; TVERDIN, L.M.; KHEYFITS,

M.E.; SHULIMOV, Ye.V.; EPSHTEYN, L.M.; SHCHEGOL'KOV, Ye.I.;

TSAPENKO, Ye.F.; FEDOROV, A.A., glav. red.; SERBINOVSKIY, G.V.,

red.; BOL'SHAM, Ye.M., red.; BRANDENBURGSKAYA, E.Ya., red.;

TVERDIN, L.M., red.; FRIDKIN, L.M., tekhn. red.

图的图片编书表现实的影响的影响的最级的现在分词是一种影响的影响。这种思想的影响,是这种国际的影响的影响。这种国家的影响的影响的影响,这种国家的国家的国家的国家的

[Handbook for power engineers of industrial enterprises in four volumes] Spravochnik energetika promyshlennykh predpriiatii v chetyrekh tomakh. Moskva, Gosenergoizdat. Vol.2. [Electric-power supply (conclusion), use of electric power and electrical equipment in some branches of industry] Elektrosnabzhenie (okonchanie), priemniki elektroenergii i elektroeborudovanie nekotorykh otraslei promyshlennosti. Pod obshchei red. A.A.Fedorova (glav. red.), G.V.Serbinovskogo i IA.M.Bol'shama. 1963. 880 p. (MIRA 16:7) (Power engineering—Handbooks, manuals, etc.)

(Electric power distribution)

YERSHOV, Boris Vasil'yevich; ZALETA/EV, Mikhail Vasil'yevich; FEST, G.A., red.; GRINBERG, P.I., red. izd-va; GALAKTIONOVA, Ye.N., tekhn. red.

[Maintenance of the ZIL-164A and ZIL-164AR motortrucks]
Tekhnicheskoe obsluzhivanie avtomobilei ZIL-164A i ZIL-164AR.
Pod red. G.A.Festa. Moskva, Avtotransizdat, 1963. 155 p.
(MIRA 16:4)

l. Zamestitel' glavnogo konstruktora Moskovskogo avtomobil'nogo zavoda im. I.A.Likhacheva(for Fest).

(Motortrucks--Maintenance and repair)

YERSHOV, B.V.; ZALETAYEV, M.V.; ZARUBIN, A.G., nauchn. red.; KURAYEV, A.V., nauchn. red.

[ZIL-130 motortrucks; basic model and its modifications. Album of sytomobile designs] Gruzovye avtomobili ZIL-130; osnovnaia model' i ee modifikatsiia. Al'bom konstruktsii avtomobilei. Moskva, Kolos, 1965. 50 p. (MIRA 18:6)

L 21552-66 EWT(d)/EWT(1)/FSS-2/EWP(e)/EWT(m)/EWP(w)/EPF(n)-2/EWG(m)/EWA(d)/ ACC NR: AP6007742 SOURCE CODE: UR/0293/66/004/001/0116/0127 EWP(w)/EWP(j)/T-2/EWP(k)/EWA(h)/ETC(m)-6/EWA(l) IJF(c) TT/IG/ WW/EM/RM/GW/WH
ORG: none 21. W. 35 TITLE: The temperature field of thin-walled sputnik surface elements with 13
radiation heat exchange 21, 44, 55 SOURCE: Kosmicheskiye issledovaniya, v. 4, no. 1, 1966, 116-127 SOURCE: temperature distribution, integral equation,
ABSTRACT: Temperature fields are calculated on the thin <u>surface</u> of spherical and cylindrical <u>sputniks</u> of the Echo-type under solar radiation. In the analysis, heat cylindrical <u>sputniks</u> of the Echo-type under solar radiation. In the analysis, heat cylindrical <u>sputniks</u> of the Echo-type under solar radiation. In the analysis, heat exchange normal to the surface is neglected because of its small amount as compared exchange normal to the surface. The governing radiative transfer equations are
written $(e_0 + e_1) \sigma_0 T_x^4 = p_x, \frac{e_0^2}{e_0 + e_1} = \lambda;$ $p_s = q_s + \lambda \int_{(0)} K(x, s) P_x dx,$ UDC: 629.195.0:536.241
Card 1/9

L 21552-66 ACC NR: AP6007742

$$K(x,s) = \sum_{n=0}^{\infty} (1-\epsilon_0)^n \psi_n(x,s) .$$

The general solution of the integral equation is obtained by successive approximations. In particular, the case of spherical and cylindrical geometries is treated. For the cylinder, the external heat flow rate is assumed to be constant and results in

$$f(a, a) = \begin{cases} \frac{1}{1 - a^2} \left[\frac{a \cos a \left(a - \frac{\pi}{2} \right)}{2 \sin a \frac{\pi}{2}} - \sin \alpha \right], & 0 \le \alpha \le \pi \end{cases}$$

$$\frac{1}{1 - a^2} \left[\frac{a \cos a \left(a - \frac{3\pi}{2} \right)}{2 \sin a \frac{\pi}{2}} - \sin \alpha \right], & \pi \le \alpha \le 2\pi,$$

where ε_1 is the external surface emissivity and ε_0 is the emissivity of the

Card 2/3

L 21552-66

ACC NR: AP6007742

outside surface. This expression shows that the temperature field is independent of the cylinder radius. An expression is derived for the difference between the outside and inside temperatures as

$$\Delta 0_{\text{max}} = \sqrt{\frac{\frac{\varepsilon_{i}}{\varepsilon_{0}} + 1}{\frac{\varepsilon_{i}}{\varepsilon_{0}} + 1}} - \sqrt{\frac{\frac{1}{\varepsilon_{i}} + 1}{\frac{\varepsilon_{i}}{\varepsilon_{0}} + 1}},$$

showing A0 to be a function of only the emissivity ratios. Orig. art. has: 40 equations and 8 figures.

SUB CODE: 22 SUBM DATE: 15Aug64/ OTH REF: 001/ ATD PRESS: 4319

Card 3/3 BLA

ZALETAYEV, V. S.

Wild Boar - Vol'sk

Boar in the region of Vol'sk. Triroda 41 No. 7, 1952.

Manthly List of Russian Accessions Library of Congress Wovember 1952. UNCLASSIFIED.

ZALETAYEV, V.S

USSR/ Biology - Crnithology

Gard 1/1

Pub. 86-19/33

Authors

: Gladkov. N. A., Prof.; and Zeletayev. V. S.

Title

t The use of airplanes for studying the distribution and numerosity of fisheating birds

Periodical

* Priroda 43/11, 110-112, Nov 1954

Abstract

A brief account is given of the use of airplanes in the research of animal life in general with a more detailed description of the distribution, numbers, and hebits of fish-eating birds. In this way many species of gulls and other birds were located on the shores and islands of the Caspian Sea, which feed almost entirely on fish. Some analysis is made of the chimatic conditions which affect the distribution of birds of prey. The manner of operating the sirplane in order to obtain the required date is also explained. References; 1-USSR and 1-USA (1937-1952). Illustrations.

Institution: ...
Submitted: ...

ZALBTAYEV, V. 8.

Small see gull Larus minutus L. over the eastern Caspian. Priroda 44 no.8:116-117 Ag '55. (MIRA 8:10)

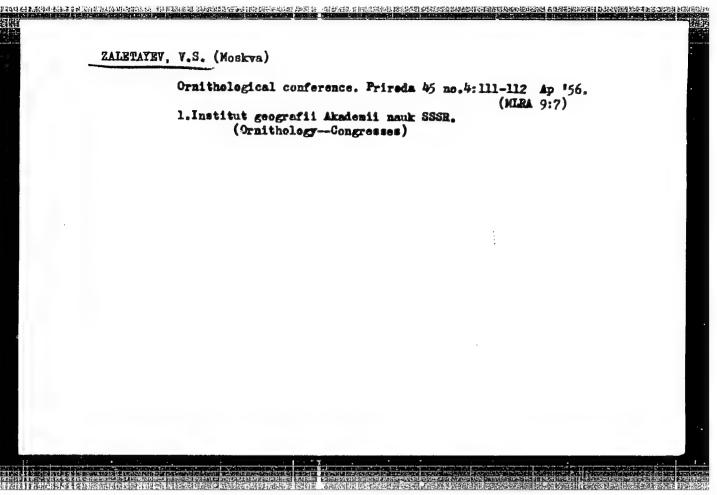
1. Institut geografii Akademii nauk SSSR (Caspian Sea--Gulls)

ZALETAYEY. V.S.

The scale for estimating the fleshing of birds [with English summary in insert]. Zool. shur.35 no.3:441-444 Nr *56. (MIRA 9:7)

l.Institut geografii AN SSSR i Zeelegicheskiy muzey Moskovskogo gosudarstvennego universiteta ineni M.V.Lomonosova.
(Birds)

ZALETATEV, V.S. (Moskva) Gottered gazelle, saiga, and hare (Lepus tolai) in the eastern Caspian Sea region. Priroda 45 no.2:98-100 F '56. (MEA 9:5) 1. Institut geografii Akademii nauk SSSR, (Caspian Sea region-Antelopes) (Caspian Sea region-Hares)



ZALETAYEV, V.S.

Present-day distribution and change in habitat of porcupines in the trans-Caspian Sea region. Izv.AN Turk.SSR no.2:118-119 *57. (MLRA 10:5)

1. Institut geografii Akademii nauk SSSR.

(Caspian Sea region—Porcupines)

为什么现代的自己的证据,他们也是是是是不是不是是是是是不是不是不是不是不是,但是是是一个人的。如此,但是你是是是我们的是在人名的,我们也不是我们的人的是我们的人 第一个人对于一个人,也是不是一个人的一个人,也可以是是一个人的人,也可以是一个人的人,也可以是一个人的人们也不是一个人的人们也不是一个人的人们也不是一个人的人们

Changes in the fauna of birds in the northeastern portion of the Caspian Sea as related to the fluctuations of the sea level, Isr. AN SSSR, Ser. geog. no.6:105-111 N-D '57. (MIRA 11:1)

1. Institut geografii AN SSSR. (Caspian Sea region--Birds)

外,这个人,我们也是一个人,我们就是这个人,我们就是这个人,我们就是这一个人,我们就是这一个人,我们就是这个人,我们是这一个人,我们就是这个人,我们就是这一个人,

THEOTHER, V.S.

AUTHOR: Zaletayev, V. S.

49-7-14/14

TITLE: On the tasks and activity of the Consultative Commission of the Presidium of the Ac.Sc., U.S.S.R. in the preparation and execution of the tasks of the International Geophysical Year. (O zadachakh i deyatel'nosti Konsul'tativnoy Komissii pri Prezidiume AN SSSR po podgotovke i provedeniyu Mezhdunarodnogo Geofizicheskogo Goda).

PERIODICAL: Izvestiya Akademii Nauk, SSSR, Seriya Geofizicheskaya, 1957, No.7, pp.965-967 (USSR)

ABSTRACT: In the investigations of the International Geophysical Year a great variety of scientific establishments of the Soviet Union will participate: Ac.Sc., U.S.S.R., the Academies of the individual republics, the Moscow State University and other universities, the Directorate of the Hydrometeorological Services, the Arctic Institute, the institutes and observation posts of various Ministries and Departments concerned with geophysical and geographical work. The scale of the investigations is very large and a very considerable part of it will be carried out by the Ac.Sc. 28 establishments, institutes, observatories, commissions and societies of the Ac.Sc. U.S.S.R. will participate in the work. The physico-mathematical and the geological-geographical sections of the Ac.Sc. will participate to the greatest extent and also two institutes of the Chemical Sciences Division of the Ac.Sc. The

49-7-14/14

On the tasks and activity of the Consultative Commission of the Presidium of the Ac.Sc., U.S.S.R. (Cont.) establishments of the Ac.Sc. will carry out and are partly already carrying out observations and investigations relating to thirty problems scheduled by the I.G.Y. programme (of a total of 41 problems assigned to the Soviet Union by the special committee of the International Geophysical Year). The scientific investigations include the following fields, glaciology, frost research, earth

magnetism, investigation of the gas and of the ion shell of the globe, study of the influence of solar and cosmic radiation on meteorological and other natural processes etc. A large number of investigations will be in the field of oceanology and it will include hydrology, geology, water chemistry and biology of the Pacific, Indian, Atlantic, White Sea and Ancarctic Oceans. Another complex and interesting section of investigations relates to rocket technique and launching of an artificial satellite for studying the upper layers of the ionosphere. Details are given on various meetings of this commission up to the second half of April, 1957 which dealt with various tasks of

execution and coordination of the programme scheduled for

the I.G.Y. Important tasks of the Consultative Commission

Card 2/3

CIA-RDP86-00513R001963630009-4" APPROVED FOR RELEASE: 09/19/2001

49-7-14/14

On the tasks and activity of the Consultative Commission of the Presidium of the Ac.Sc., U.S.S.R. (Cont.)

include: preparation of the conditions for collection and conservation of oceanology materials obtained from the individual expedition vessels; publicising the activities of the International Geophysical Year and dissemination of information relating to it both for the consumption of scientists as well as for the layman and the younger generation.

AVAILABLE: Library of Congress

Card 3/3

2 ALET ANL

Zaletayev, V.S. (Moskva) AUTHOR:

26-12-33-49

TITLE:

At the Zoo-Geographical Conference at L'vov (Na zoogeografi-

cheskom soveshchanii vo L'vove)

PERIODICAL:

Priroda, 1957, No 12, pp 111-112 (USSR)

ABSTRACT:

The author gives a report on the conference on problems of the zoo-geography of dry land which was attended by 140 zoologists and zoo-geographers from various scientific establishments in the USSR. The sessions were divided into 4 sections dealing with comparative zoo-geography and quantitative methods, territorial studies, regional zoo-geography and history of the fauna and geography of vermin and transmitters of diseases. In his opening speech Professor A.G. Voronov pointed out the tasks to be faced by zoo-geographers and the importance of considering the fauna in close connection with its natural surroundings. A series of discourses was delivered on various scientific subjects illustrating the progress attained by zoc-

geographers and zoologists.

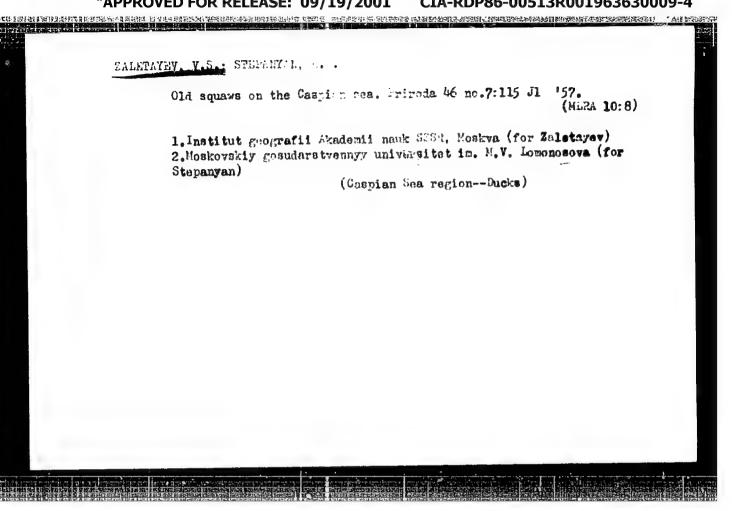
ASSOCIATION:

None given

AVAILABLE:

Library of Congress

Card 1/1



CIA-RDP86-00513R001963630009-4" APPROVED FOR RELEASE: 09/19/2001

ZALETAYEV, V. S.,

"Birds of the Mangyshlak Peninsula."

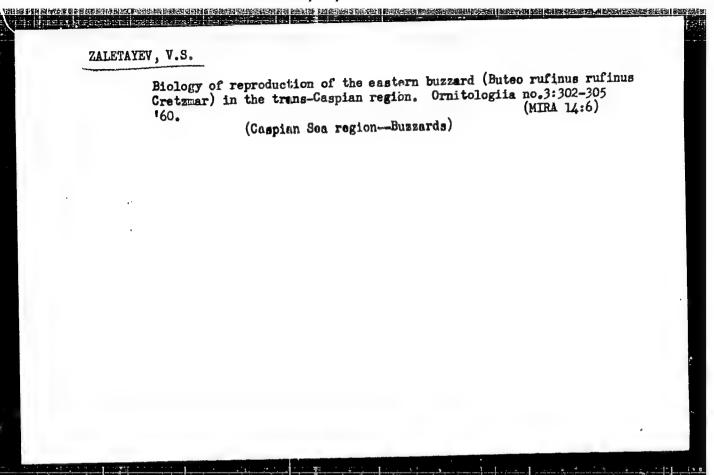
report presented at 4th regular Conference of Young Scientists of the Inst. of Geography, Acad. Sci. USSR 1957 (Izv. Ak Nauk SSSR, Ser. Geog. No. 2, 1958, p. 151-53. GORBUNOVA, M. N.).

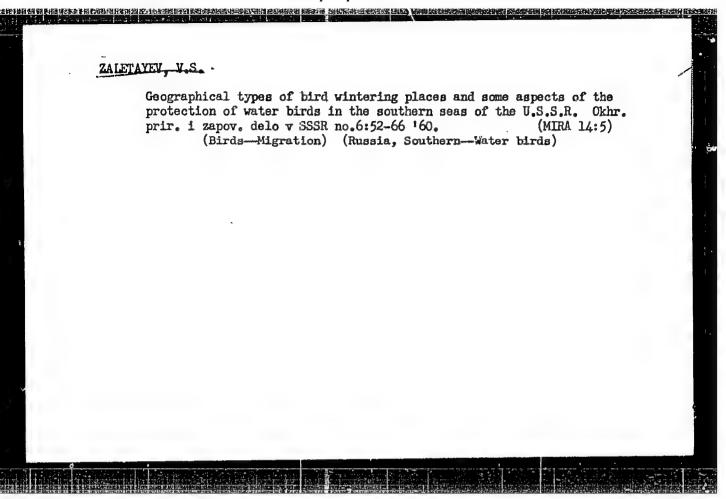
Correlation of seasonal aspects in bir's faunas of transand ciscaspian deserts and semideserts. Uch. zap. Nosk. un. no.197: 87-93 '58. (MIRA 11:9) (Caspian Sea region--Birds)

USPRESKIY, S.M., SHAPOSHNIKOV, L.K., ZALETAYEV, V.S., VINOKUROV, A.A., SABINEVSKIY, B.V., PEDORESKO, A.P.

First results of studying the vintering of aquatic birds on the Sea of Axov and the northern shore of the Black Sea. Migr. shiv. no.1:48-58. (NIRA 13:6)

l. Komissiya po okhrane prirody AN SSSR. Komissiya po okhrane prirody AN USSR. Gonudarstvennyy Chernomorskiy zapovednik. (Black Sea region--Water birds)





ZALETAYEV, V. S., CAND GEOGR SCI, THE ECOLOGICAL AND GEOGRAPHIC CHARACTERISTICS OF THE BIRD FAUNA ON THE MANGYSHLAK AND BUZACHI PENINSULAD. MOSCOW, 1961. (MOSCOW ORDER OF LENIN AND URDER OF LABOR RED BANNER STATE UNIV

-41-

TERNOVSKIY, D.V., kand.biolog.nauk (Novosibirsk); ZALETAYEV, V.S., kand.geograf,nauk (Moskva)

Do the birds attack people? Priroda 51 no.7:94-96 J1 '62.

(Birds of prey)

ZALETAYEV, V.S.

Seasonal bird migrations in the coastal area and the desert of Mangyshlak and on the Bazachi Peninsula. Migr. zhiv. no.3:106-117 (MIRA 16:2)

1. Komissiya po okhrane prirody pri Gosplane SSSR. (Caspian Sea region—Birds—Migration)

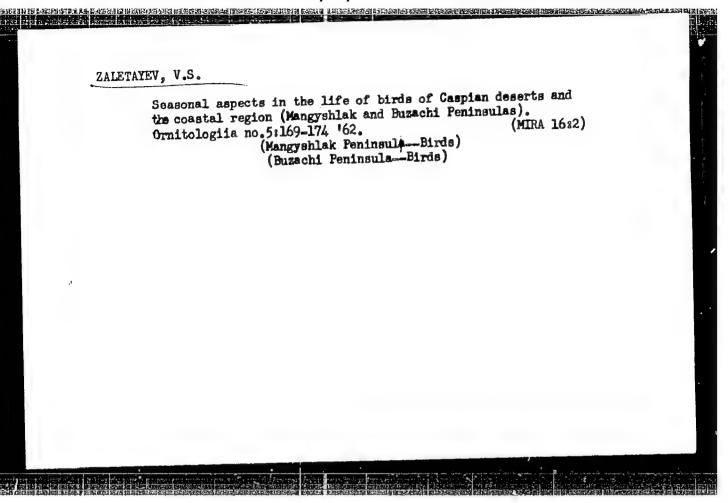
LEONOVICH, V.V. (Moskva); ZALETAYEV, V.S. (Moskva)

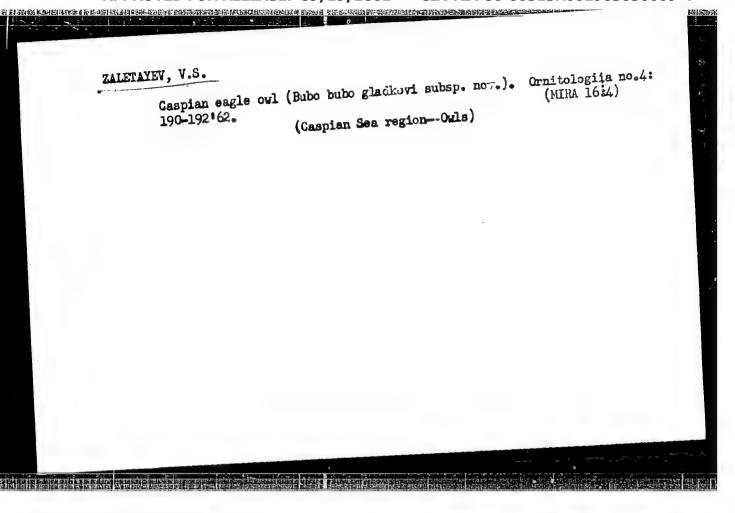
Under the protection of the strong. Priroda 52 no.3:91-96
'63. (MIRA 16:4)

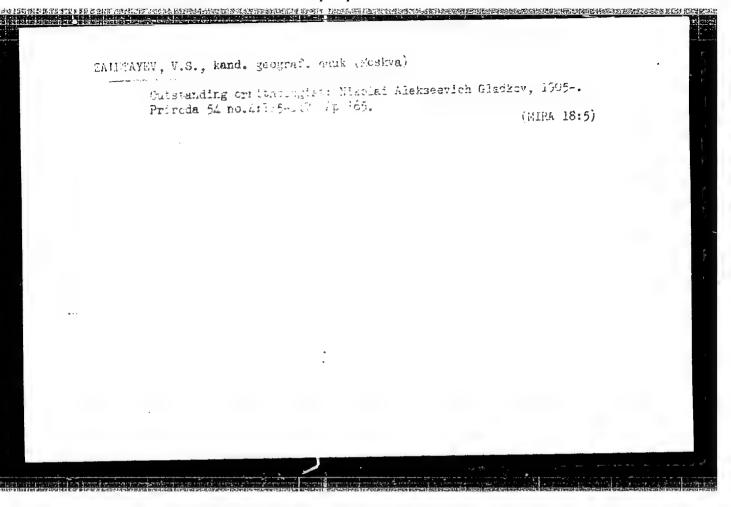
(Birdst-Behavior)

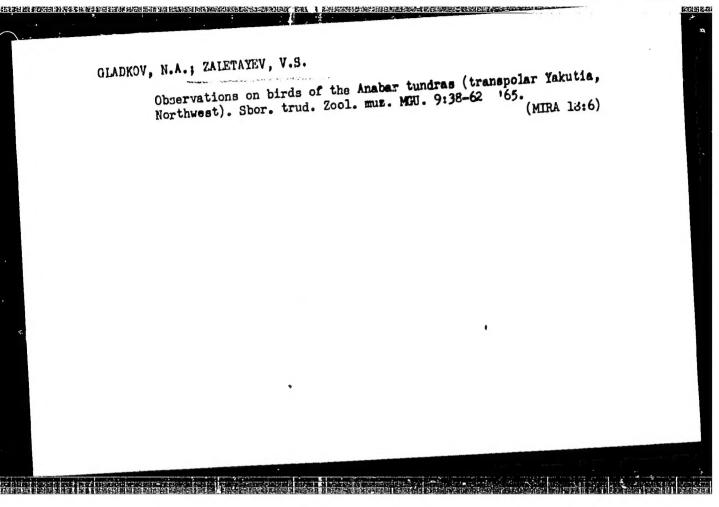
GLADKOV, N.A.; ZALETAYEV, V.S.

New data on the distribution and biology of birds in morthwestern Yakutia (Anabur River). Ornitologiia no.5:31-34 62. (Anabar Valley-Birds)



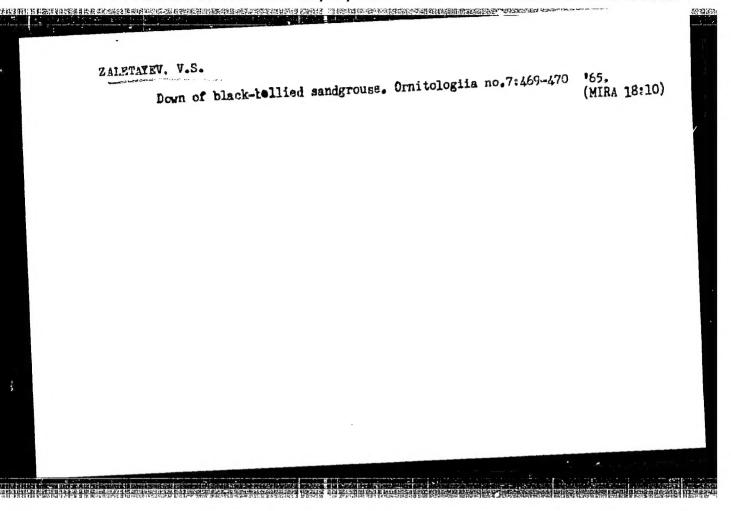






ADAMIAN, MeSe; ZALETAYEV, V.Se

Occurrences of trumpeter billfinch in Transcaucasia. Ornitologiia
(MIRA 18:10)
no.7:455 '65.



 Wintering of Gaurian Saa.	water Trudy	birds in the scribers, Astr. 2ep. no.8:349-372	eastern, 163.	ani sou	cheastern (MIRA	n 18:10)
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